

STATE OF ILLINOIS
ILLINOIS COMMERCE COMMISSION

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FEB 11 2004

Illinois Commerce Commission
RAIL SAFETY SECTION

Petition for permission to make a major change in crossing protection, or to install new protection under 92 Illinois Administrative Code 1535.400 (d).

X-12115 Date: January 29, 2003

704.0032

To the ILLINOIS COMMERCE COMMISSION:

The petitioner Norfolk Southern Railway Company shows

- (1) That it is a railroad company operating a line of railroad in the State of Illinois.
- (2) That petitioner proposes and hereby makes application for authority to make a major change in crossing protection, or to install new protection, under 92 Illinois Administrative Code 1535.400 (d) adopted by this Commission.
- (3) That the location of the crossing, nature of protection now established and proposed to be established, and other pertinent facts in connection therewith, are set forth in the statement attached to and forming part of this petition.
- (4) That petitioner's reasons and purpose, with reference to its said proposal are to:

Modification of Grade Crossing Warning Devices requested by Illinois Commerce Commission

at: Main St. in Marlow, Jefferson County, Illinois, DOT: 724 757J, MP. 93.17 W

File No. 061-04.076

Project No. 04.0597

- (5) That the facts set forth in this petition and in the statement and plans or plats attached thereto, are, all of them, true and correct to the best of petitioner's knowledge and belief.

WHEREFORE, the petitioner prays that the Commission will, if deemed desirable by the Commission, set the aforesaid matter for hearing, and that the Commission enter an order or adopt a resolution consenting to and granting authority for the making of the said proposed changes in or additions to crossing protection.

Norfolk Southern Railway Company

By

R. H. Ray
R. H. Ray, Administrator
Highway Grade Crossings

Thomas W. Ambler
(Attorney for Petitioner)

Norfolk Southern Corporation
Three Commercial Place
Norfolk, VA 23510-2191

(Attorney's Address)

DOCKETED

Statement, attached to and part of an application for permission to make a major change in crossing protection or to install new protection, under 92 Illinois Administrative Code 1535.400(d).

1. Name of Railroad Company Norfolk Southern Railway Company
2. Crossing Number 724 757J
3. Village or City Jefferson
4. Name of Street or Highway Main St.
5. Public Agency Maintaining Highway City

6. Protection now established:

Flashing Light crossing Signals with Reflectorized Cross Buck and Bell.

7. Protection desired:

Modify grade crossing warning devices to Flashing Light Warning Devices with Bell and Gate

controlled by Constant Warning Time Detection Equipment.

8. Number of main tracks One Other tracks None

9. Number of passenger movements:

6 a.m. to 6 p.m. None 6 p.m. to 6 a.m. None

10. Number of freight train movements:

6 a.m. to 6 p.m. Eleven 6 p.m. to 6 a.m. Ten

11. Approximate number of switch movements:

6 a.m. to 6 p.m. None 6 p.m. to 6 a.m. None

12. Maximum speed of trains at crossing on each track in each direction:

North/East 50 M.P.H.

South/West 50 M.P.H.

13. Passenger platforms served by tracks within the limits of track circuits, if any None

14. Where automatic signals or gates are proposed, approximate number of train or engine movements daily which would cause false indications or operation:

None

15. Nature and approximate amount of street or highway traffic over crossing:

275 AADT

16. In addition to the information listed hereinbefore in Form 3, attach a track plan or plat of the proposed crossing. This plan should show:

- (a) Width and surface of highway.
- (b) Highway intersections (including private driveways to be so indicated) and location of established highway signs or signals within 100 feet of crossing.
- (c) Location of tracks, switches and other railroad facilities such as block signals, etc. within limits of track circuits, present and/or proposed.
- (d) Where automatic protection is proposed, show proposed location of signals (side lights, cantilevers, etc., if any).
- (e) Show the length of each operating track section within the control limits of the crossing protection and its function.

ADDITIONAL INFORMATION

Drawing attached for question no. 16

(File Original and Two Duplicates)

VERIFICATION

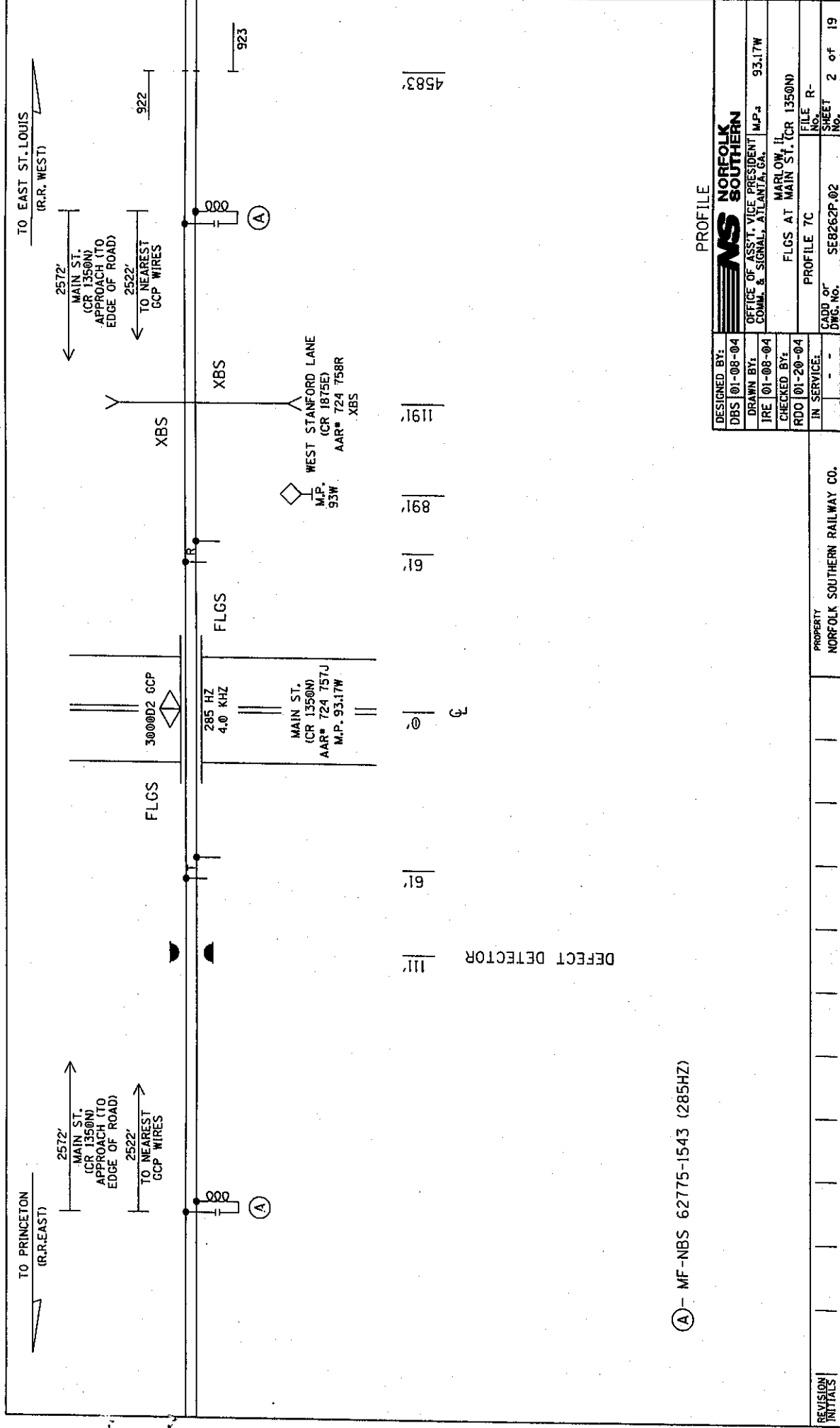
I, R. H. Ray, first being duly sworn upon oath depose and say that I am
Administrator -- Highway Grade Crossings, of Norfolk Southern Railway Company, a
Virginia corporation; that I have read the above and foregoing petition by me subscribed and know the
contents thereof; that said contents are true in substance and in fact, except as to those matters stated upon
information and belief, and as to those, I believe same to be true.


Administrator - Highway Grade Crossings

Subscribed and sworn to before me this 29 th.
day of January 20 04.


Notary Public (Georgia) or Witness

My Commission Expires: _____



PROFILE

DESIGNED BY:	DBS 01-08-04	NS NORFOLK SOUTHERN	FILE NO.	FILE R-
DRAWN BY:	IRE 01-08-04	OFFICE OF ASST. VICE PRESIDENT COMM. & SIGNAL, ATLANTA, GA.	NO.	NO.
CHECKED BY:	ROO 01-20-04	MARLOW, II	NO.	NO.
IN SERVICE:	-	FLGS AT MAIN ST. (CR 1350N)	NO.	NO.
PROPERTY	NORFOLK SOUTHERN RAILWAY CO.			
REVISION/INITIALS	CADU or DWG. NO. SE8262P.02 SHEET 2 of 19			

(A) MF-NBS 62775-1543 (285HZ)

Detailed Estimate for Grade Crossing Warning Devices

City/State: MARLOW, IL
MilePost: 93.17-W
State Proj. No.:
S&E Proj. No.: 04.0597
Man Days: 100

Road: MAIN ST.
DOT/AAR: 724757J
County: JEFFERSON
AFE:
File Number: 061-04.076

*****Purchases - Other*****

Meals and Lodging:	\$8,710.00	
Rental of Equipment:	\$19,040.00	
(2 Trucks, 1 Backhoe w/ Trailer and 1 Pipe-Pusher for 25 Days)		
Construction Supervision Vehicle:	\$360.00	
Contingencies:	\$520.00	
Purchases - Other Total:		\$28,630.00

***** Material and Additives*****

Material Cost:	\$66,900.00	
Sales and Use Tax:	\$3,340.00	
Material Handling Freight:	\$6,360.00	
Material Total:		\$76,600.00

*****Labor and Additives*****

Labor Cost:	\$22,400.00	
(4 man crew at \$896.00 a day for: 25 days)		
Payroll Tax & Overheads:	\$19,390.00	
Preliminary Engineering:	\$7,860.00	
Construction Supervision:	\$6,320.00	
Labor Total:		\$55,970.00
Subtotal:		\$161,200.00
Credit:		\$0.00
(Salvage/Scrap)		
Project Total:		\$161,200.00

Estimated on: 26-Jan-04

Estimated by: enjab

Estimate valid for 1 year from date of estimate



Highway Crossing Signalization Program - Material List

Do not substitute items without permission from S & E Engineering

City:	MARLOW
Road:	MAIN ST.
Milepost:	93.17-W
Drawing Number:	SE8262P
State Project Number:	
County:	JEFFERSON
A A R Number:	724757J
Project Number:	04.0597
File Number:	061-04.076
A F E Number:	F1938
Store Number:	
Supervisor:	J.E. BROWNE
Tax Code:	1200
Vendor to supply the following copies after pricing: 1 Set - Material Management with original invoice 2 Sets - with plans shipped in car with material 1 Set - S&E Gen. Supt. Construction w/ copy of invoice	

26-Jan-04

Location: MARLOW		IL	S&E Proj. No.: 04.0597		AFE No.: F1938	Drawing No.: SE8262P	Page 1 / 4		
Store No.:		P.O. Number		Date Required:		Date Shipped:	Vendor : Interrail Engineering, INC		
Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed Date Quan.	Quantity Returned (Credit) Date Quan.	Special Instructions
3	670-360693-4	EA	\$4.82	\$14.46	AAR/DOT NUMBER PLATE/DECAL, ORDER 3 PER PROJECT. 60 DAY LEAD TIME. SUPPLIED BY STRAN.				
1	165-006505-4	EA	\$1,028.00	\$1,028.00	AC SERVICE, COMPLETE LESS METER BASE, ASSEMBLED ON 30' POLE				
2	670-001321-4	EA	\$246.66	\$493.32	ARM, GATE FIBERGLASS-ALUMINUM 17-24 FT., L&W OR US&S OR SAFETRAN 076600-240017 OR				
13	105-871901-4	EA	\$154.22	\$2,004.81	BATTERY,GNB 265AH MODEL 50A11 SINGLE CELL 2.25 VOLTS				
1	670-503047-4	EA	\$185.75	\$185.75	BELL, CROSSING ELECTRONIC GENERAL SIGNAL, EB-3-360-5 CR 02-044350				
2	670-980689-4	EA	\$63.71	\$127.41	BRACKET HIGH WIND, (RIGID 3'), WIG- 191036, WALRUS TUSK TYPE				
2	670-561375-4	EA	\$1,201.20	\$2,402.40	BRACKET, GATE SAVER, NEG385102GS, SPRING LOADED SWING AWAY ADAPTER FOR FIBERGLASS/ALUMINUM GATES, USE WITH GATE 28' AND LESS				
300	465-292862-4	LF	\$1.00	\$300.87	CABLE, U-2-6 TWISTED, S-23 OKONITE 113-12-3933 SOLID TINNED CONDUCTOR				
300	465-292929-4	LF	\$3.00	\$899.58	CABLE, U.G. 5 COND. NO. 6 AWG SOLID COPPER CABLE TO MEET NS CORP. SPEC. FOR SIGNAL				
300	465-939422-4	LF	\$2.56	\$767.55	CABLE, UG 12 CONDUCTOR NO 14 AWG SOLID EACH CONDUCTOR WITH 5/64 IN INSULATION 10 MIL				
300	465-791835-4	FT	\$1.96	\$587.40	CABLE, UG AC ENTRANCE 3C#6-7X OKONITE FMPF-L 094-078 TR W/G 1 X 8 7X W010 BRZ TAPE 600V PRODUCT CODE 206-11-6070				
80	165-544477-4	FT	\$2.00	\$159.65	CONDUIT, 4"x10" PVC, SCHEDULE 80 BELL CONNECTOR AT ONE END, 1/2 PT. GLUE IN KIT 670-123298-4				
2	670-090450-4	EA	\$49.62	\$99.25	CONNECTOR,WELDED FAR RAIL HARMON A1000-2W				
2	670-486646-4	EA	\$40.66	\$81.32	CONNECTOR,WELDED NEAR RAIL HARMON A1000-1W				
APPROVED BY STATE				APPROVED BY RAILROAD				SEAL NUMBER	

Location: MARLOW		IL	S&E Proj. No.: 04.0597		AFE No.: F1938	Drawing No.: SE8262P		Page 2/4		
Store No.:		P.O. Number			Date Required:		Date Shipped:		Vendor: Interrail Engineering, INC	
Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed		Quantity Returned (Credit)	Special Instructions
							Date Quan.	Date Quan.		
2	670-793404-4	EA	\$838.38	\$1,676.76	COUNTERWEIGHT PKAGE, 17-24" GATE S'TRAN S- MECH ONLY, STAINLESS, TO INCLUDE HUB, SUPPORT ARMS					
5	670-760012-4	EA	\$34.90	\$174.49	COVER, FOR 1 WAY FLASHING LIGHT ASSY. 18 OZ. BLACK VINYL COATED NYLON. === TO COVER 2 LAMPS ===					
1	670-986650-4	EA	\$361.26	\$361.26	DISPOSAL, CONSTRUCTION DEBRIS AND CLEANING X'ING EQUIPMENT CONTAINER					
1	670-000004-4	EA	\$281.44	\$281.44	FCC LICENSE FOR MONITOR/RADIO					
2	670-000003-4	EA	\$255.85	\$511.70	FILL/STONE #57, QUANTITY IS BASED ON TRUCK LOAD PLUS DELIVERY COST					
2	670-015231-4	EA	\$381.69	\$763.37	FOUNDATION, DIXIE, S-2 GATE 5'6" ASSEMBLED					
1	670-477991-4	EA	\$292.81	\$292.81	KIT, GROUNDING ASSY FOR AL I/S INCLUDES 8 GRD RDS, 200' #4 WIRE, 12 4 WIRE ONE-SHOTS. ERICO SBK206					
1	670-123298-4	EA	\$256.93	\$256.93	KIT, HARDWARE SUPPLIES REQUIRED X'ING P'CKAGES. WEB CONNECTORS FOR SHUNT(8EA) TAPE. AMPS, P'GUM PAINT, SLEEVES, TAGS, GLUE, 100 EA WHITE TAGS, JNE CAN BLUE MARKING PAINT ETC...					
1	670-745798-4	EA	\$490.26	\$490.26	LAMP ASSY, 4" GRD. MAST MTG. 1W IND. 20" BKGRD, FLX-12 W/BULB S'TRAN #042003-484XNS					
2	670-764166-4	EA	\$907.09	\$1,814.18	LAMP ASSY, 5" MAST MTG. 2W IND. 20" BKGRD, FLX-12 W/BULB S'TRAN #042003-487XNS					
6	165-643547-4	EA	\$8.43	\$50.60	LAMP, 18 WATT 10 VOLT S-11 SC BAY 18S11/1SC CLEAR RWY SIGNAL UJ-71463 GE					
4	255-590880-4	EA	\$15.62	\$62.47	LOCK, AMERICAN LOCK MODEL H-10KA KEYED ALIKE TO PRIVATE KEYWAY D456 AND STAMPED "NS SIG"					
1	610-156588-4	EA	\$1,084.13	\$1,084.13	MAST, 5" ALUMINUM (0&0) FOR LIGHT UNIT AND BRACKET WITH DBL. JCT. BOX BASE #070519-203X-2					
1	670-637778-4	EA	\$1,055.55	\$1,055.55	MAST, 5" ALUMINUM 13'10" WITH DOUBLE JCT. BOX BASE. S'TRAN P# 070519-11AX.					
APPROVED BY STATE			APPROVED BY RAILROAD			CAR NUMBER		SEAL NUMBER		

Location: MARLOW		IL	S&E Proj. No.: 04.0597		AFE No.: F1938	Drawing No.: SE8262P		Page 3/4		
Store No.:		P.O. Number			Date Required:		Date Shipped:		Vendor: Interrail Engineering, INC	
Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed Date Quan. Date Quan.		Quantity Returned (Credit)	Special Instructions
1	670-000985-4	EA	\$182.36	\$182.36	MAST, SIDELIGHT BRACKET F/5*MT. HARMON @225834-XXX, SAFETRAN 041442-26X.					
2	670-521147-4	EA	\$2,932.81	\$5,865.62	MECHANISM, GATE MODEL S40, WITH CONTACT HEATER, COMPLETE W/RELAY STRAN # 074000-W00090					
2	970-000004-4	EA	\$2,046.80	\$4,093.60	MISC. EXPENSE FOR CULVERT RELOCATION / EXTENSION. 1 SIDE OF TK.					
4	670-001347-4	EA	\$57.98	\$231.90	PACKAGE, HARDWARE SIGN 5 IN. MOUNTING, SERRMI A1250-5, HARMON @200965-000, OR					
1	255-646807-4	EA	\$9.49	\$9.49	PADLOCK, SAFETRAN PART NO. 030399-29X SCREW TYPE FOR CIR CONTROLLER AND BTY. BOX					
1	670-514605-4	EA	\$8.43	\$8.43	PINNACLE, W-C SECT 1-11, 4" & 5" REF K1 110-8 OR SAFETRAN NO. @035045-503X					
1	165-902002-4	EA	\$308.00	\$308.00	PROTECTOR, SURGE 120/240VAC, ERICO P/N EPD120/240TDFL					
4	465-002899-4	EA	\$20.88	\$83.51	REEL, CABLE DISPOSABLE FOR CROSSING SIGNAL PACKAGES					
2	435-805560-4	EA	\$6.25	\$12.50	SAND, 25LB BAG FOR CABLE ENTRANCE INTO THE SHELTER					
1	670-391911-4	EA	\$5,329.57	\$5,329.57	SEARII AUTOMATED INSPECTOR SYSTEM KIT, w/ 1- ILOD, 1-BSX, 2-GTS, 2- MTSS, 1-GFT, 1-VHFC, 2- RECORDER INTERFACE MODULE, 1- ECHELON CONNECTOR					
1	670-281280-4	EA	\$7,006.00	\$7,006.00	SHELTER BARE 6X6, ALUMN, FARADAY, W/CABLE CHUTES BEHIND TERMINAL BOARD, W/GEN. CONN. W/ADJUSTABLE PIERS, SAFETRAN P/N 058400-66-78A					
2	670-586967-4	EA	\$34.74	\$69.49	SHUNT COVER W/LAG SCREWS, 19"X19", SERRMI #40271, ORDER 1 PER SHUNT					
2	670-652773-4	EA	\$470.56	\$941.12	SHUNT, MULTI-FREQ. #62775-1543 SAFETRAN NARROW BAND					
2	670-393331-4	EA	\$37.43	\$74.86	SIGN CROSSING MALFUNCTION ASSEMBLY FOR 4" AND 5" MAST, SAFETRAN #T17215					
APPROVED BY STATE				APPROVED BY RAILROAD			CAR NUMBER		SEAL NUMBER	

Location: MARLOW		IL	S&E Proj. No.: 04.0597		AFE No.: F1938	Drawing No.: SE8262P	Page 4 / 4			
Store No.:		P.O. Number			Date Required:	Date Shipped:	Vendor: Interrail Engineering, INC			
Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed		Quantity Returned (Credit)	Special Instructions
2	670-806648-4	EA	\$56.42	\$112.84	SIGN, X-BUCK, LESS HARDWARE, SAFETRAN 035200-X CR 02-490546		Date Quan.	Date Quan.		
2	670-751511-4	EA	\$35.58	\$71.17	SIGN, "1" TRACK, LESS HARDWARE SAFETRAN# 035207-1X					
2	670-006438-4	EA	\$10.54	\$21.08	TAPE, 4" X 96" REFLECTIVE APPLY TO BACK OF X-BUCK SIGN. ONLY IN IA., IN., IL., AL. 035200-555X					
1	670-330382-4	RL	\$10.75	\$10.75	TAPE, THOR 3" DURATEC, ORANGE 1000' LENGTHS. "WARNING STOP DIGGING"					
1	670-403183-4	EA	\$24,436.00	\$24,436.00	WIRED RACK, 6X6 FARADAY, COMPLETE/GCP3000D2 SINGLE TRK, 20 AMP SSCCIII, 2 ISL MOD, 2 CRAGG CHARGER 2 RELAY RACKS, SAFETRAN P/N T15383, USE WITH I/S 670-786834-4 OR P/N 058400-66-78A, 670- 281280-4					

Total Material \$66,895.98

APPROVED BY STATE	APPROVED BY RAILROAD	CAR NUMBER	SEAL NUMBER
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